

1 BILL NO. S-82-07- 34.

2 SPECIAL ORDINANCE NO. S- 139-82

3 AN ORDINANCE approving Change Order  
4 No. 7, Resolution No. 310-80, Phase I,  
5 St. Joe Interceptor Interconnect, in  
6 connection with the Board of Public  
7 Works.

8 BE IT ORDAINED BY THE COMMON COUNCIL OF THE CITY OF  
9 FORT WAYNE, INDIANA:

10 SECTION 1. That Change Order No. 7, Resolution No.  
11 310-80, Phase I, St. Joe Interceptor Interconnect with Rocco  
12 Ferrera & Co., Inc., Contractor, in connection with the Board  
13 of Public Works, for:

14 additional soil borings, the increase in  
15 dewatering due to the tremendous amount of  
16 ground water, the removal of more pavement  
17 necessitated by fluid ground conditions,  
18 and more utility relocations,  
19 involving a net increase in the amount of Sixty-Four Thousand  
20 Sixty-One and No/100 Dollars (\$64,061.00), all as more particu-  
21 larly set forth in the specifications, which are on file in the  
22 Office of the Board of Public Works and are by reference incorpor-  
23 ated herein, made a part hereof, be and the same are hereby in  
24 all things ratified, confirmed and approved.

25 SECTION 2. That this Ordinance shall be in full force  
26 and effect from and after its passage and any and all necessary  
27 approval by the Mayor.

28   
29 Councilmember

30 APPROVED AS TO FORM  
31 AND LEGALITY

32   
Bruce O. Boxberger, City Attorney

Read the first time in full and on motion by Burns, seconded by Leis, and duly adopted, read the second time by title and referred to the Committee City Matters (and the City Plan Commission for recommendation) and Public Hearing to be held after due legal notice, at the Council Chambers, City-County Building, Fort Wayne, Indiana, on 7-27-82, the 7 day of July, 1982, at 7 o'clock P.M., E.S.T.

DATE: 7-27-82

Charles W. Westerman  
CHARLES W. WESTERMAN - CITY CLERK

Read the third time in full and on motion by Burns, seconded by Leis, and duly adopted, placed on its passage. PASSED (Lost) by the following vote:

	<u>AYES</u>	<u>NAYS</u>	<u>ABSTAINED</u>	<u>ABSENT</u>	<u>TO-WIT:</u>
<u>TOTAL VOTES</u>	<u>8</u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>
<u>BRADBURY</u>	<u>✓</u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>
<u>BURNS</u>	<u>✓</u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>
<u>EISBART</u>	<u>✓</u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>
<u>GIAQUINTA</u>	<u>✓</u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>
<del>MORRIS</del>	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>
<u>SCHMIDT</u>	<u>✓</u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>
<u>SCHOMBURG</u>	<u>✓</u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>
<u>STIER</u>	<u>✓</u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>
<u>TALARICO</u>	<u>✓</u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>

DATE: 8-10-82

Charles W. Westerman  
CHARLES W. WESTERMAN - CITY CLERK

Passed and adopted by the Common Council of the City of Fort Wayne, Indiana, as (ZONING MAP)        (GENERAL)        (ANNEXATION)        (SPECIAL)

(APPROPRIATION) ORDINANCE (RESOLUTION) NO. D-139-82  
on the 10th day of August, 1982.

ATTEST:

(SEAL)

Charles W. Westerman  
CHARLES W. WESTERMAN - CITY CLERK

Samuel J. Talarico  
PRESIDING OFFICER

Presented by me to the Mayor of the City of Fort Wayne, Indiana, on the 11th day of August, 1982, at the hour of 11:30 o'clock P.M., E.S.T.

Charles W. Westerman  
CHARLES W. WESTERMAN - CITY CLERK

Approved and signed by me this 13th day of August, 1982, at the hour of 10 o'clock A.M., E.S.T.

Win Moses, Jr.  
WIN MOSES, JR. - MAYOR

BILL NO. S-82-07-34

REPORT OF THE COMMITTEE ON CITY UTILITIES

WE, YOUR COMMITTEE ON City Utilities TO WHOM WAS REFERRED AN  
ORDINANCE approving Change Order No. 7, Resolution No. 310-80, Phase I  
St. Joe Interceptor Interconnect, in connection with the Board of Public  
Works

HAVE HAD SAID ORDINANCE UNDER CONSIDERATION AND BEG LEAVE TO REPORT  
BACK TO THE COMMON COUNCIL THAT SAID ORDINANCE 80/ PASS.

PAUL M. BURNS - CHAIRMAN

MARK E. GIAQUINTA - VICE CHAIRMAN

JAMES S. STIER

JANET G. BRADBURY

ROY J. SCHOMBURG

F-10-82

CONCURRED IN

DATE

CHARLES W. WESTERMAN, CITY CLERK

Change Order No. 7

Resolution No 10-80 - Phase I

Board Order No. 15-80

REQUEST AND JUSTIFICATION FOR CHANGE

1. Necessity for change: \_\_\_\_\_

See Attached

2. Will proposed change alter size of the project? Yes \_\_\_\_\_ No x \_\_\_\_\_  
If yes, explain

3. Affect on operation and maintenance cost of this project:

N/A

Gregory Merrill 5/12/82  
Project Engineer

JUSTIFICATION FOR CHANGE ORDER #7  
ST. JOE STUDY AREA - C-180599-06  
Resolution 310-80 Phase I - B.O. 15-80 "Interconnect"

Rocco Ferrera & Co., Inc., Contractor

Item #10

During the bidding stages, it was determined by the Engineering Department that the above item should be used for backfill under a few major streets where the proposed 84" would cross. These streets were Delta at Tilden, Lake, Crescent at Tennessee and St. Joe Boulevard at Tennessee. This would alleviate any unnecessary traffic disruption in lieu of using spoil material since these streets are extremely heavily travelled. Moreover, the Specifications required #53 or #73 backfill when a sewer crosses a street at an angle. In addition to the above, this item was also proposed to be used for street base at a depth of approximately 12" to construct the new streets. But, the estimate was based on a trench width of 11± LF, which is O.D.+30." Based on the above information, the original bid estimate would have been sufficient to complete the project.

However, due to fluid ground conditions, and various utility relocations necessary, the pavement was removed from curb-to-curb; thereby, increasing the amount of material needed for use as street base. There has been approximately 132,465 square feet of pavement removed on the total project.

The following are the theoretical quantities of stone street base consisting of #2's and #53 stone as was required by the Street Engineering Department in order to comply with their specifications.

- 1) Average of 18" stone subbase on Tennessee Avenue, Lake Avenue, Delta Drive, and St. Joe Boulevard.
- 2) Average 15" stone subbase on Tilden Avenue west of Anthony Boulevard.
- 3) Average of 24" stone subbase on Tilden Avenue east of Anthony Boulevard  
A large amount of stone base was used at this location because of highly saturated ground conditions due to heavy rains. Pumping action of the ground was becoming evident and the contractor had to truck away spoil and stone already installed and additional stone material was added. This was necessary to get the subbase ready for paving operations.

Furthermore, a considerable amount of #53 or #73 special backfill was used at various locations especially on Tennessee Avenue for relocation of existing sewers and water lines when they crossed the path of our sewer construction

Item #34

Due to the shallow depth of the 84" sewer on Tennessee Avenue, California and Tilden Avenues, up to Morton Street in comparison with the rest of the project, the Engineering Department at the time of design felt that dewatering would not be necessary. No soil borings were taken in this area originally and we felt that construction could take place without dewatering.

However, during construction, it became apparent that the construction of the 84" sewer could not have progressed without dewatering. Field inspection has revealed that there was a tremendous amount of groundwater starting at five (5') feet in some locations. George West from the Army Corps of Engineers concurs with the Water Pollution Control Engineering Department's decision and would be quite knowledgeable about the ground conditions during his field inspection visits.

The actual quantity for dewatering item is 8,607.20 LF. However, actual dewatering that was required was 7,939.20 LF. This footage represents the total project which was dewatered. The difference of 668 LF is an extra footage which was reimbursed to the contractor due to unforeseen circumstances, which occurred on 21 May 1981, as stated by the contractor in the attached letter. The Engineering Department felt that the amount of \$11,113.40 was excessive and after negotiation, this figure was reduced to \$3,338.50. The method of payment for the above extra cost under this unit bid item was reimbursed as follows:

$$\$3,338.59/\$5.00 \text{ (unit bid cost)} = 667.7 \text{ LF}$$

This footage does not represent the lineal feet of dewatering done but merely reflects the cost incurred by the contractor.

The Engineering Department felt that the contractor was justified for compensation due to this incident. The contractor was dewatering the ground with gasoline powered generators, which were noisy. The use of these generators was banned due to a delay from the electric company connecting the temporary electrical drop requested by the contractor. Therefore, the contractor was directed to abandon his operations. Due to this incident, it caused a loss of time allowing groundwater which was being pumped out of the area to rise again. Hence, the contractor had to begin dewatering again at a later date when the electrical power became available from Indiana and Michigan Electric Company.

Item #62

Additional soil borings were authorized by this Department, which gave this Department the opportunity to study the soil profile and to determine whether the existing spoil material is suitable for backfilling under streets. Attached is also an invoice from Michigan Testing for the soil borings.

Item #41

During the course of construction by realignment of the 84" interceptor sanitary sewer, the Water Pollution Control Engineering Department was able to conserve in its replacement and relocation of the existing water main throughout this phase of the project.



# Rocco Ferrera & Co., Inc.

Underground Construction

30105 West 8 Mile Road  
Livonia, Michigan 48152  
AC-313-533-1594

## EXTRACT

JULY 8, 1981

CITY OF FORT WAYNE  
WATER POLLUTION CONTROL ENGINEER  
ROOM 700 - CITY COUNTY BUILDING  
FORT WAYNE, INDIANA 46802

ATTN: JEFF BERHANA

RE: ST. JOSEPH INTERCEPTOR  
RES. 310-80, PHASE I

GENTLEMEN:

THE FOLLOWING IS A LIST OF EXTRA WORK, WHICH IS TO BE PAID FOR BY INCORPORATING IN THE CONTRACT BID ITEMS.

1. ON MAY 21, 1981, WE RECEIVED AN EMERGENCY CALL TO TURN OFF OUR PORTABLE GENERATORS LOCATED ON TENNESSEE AVENUE AT TECUMSEH AND ON TENNESSEE EAST OF KENTUCKY AVE.

THESE GENERATORS WERE RUNNING A SERIES OF DEEP WELLS INSTALLED TO DEWATER AREAS WHERE WE HAD TO LOWER THE SIX (6) INCH WATERMAIN UNDER THE PROPOSED 84" SEWER.

BY ABANDONING THIS OPERATION, WE HAD TO INSTALL ADDITIONAL VALVES ON EITHER SIDE OF THE PROPOSED 84" IN ORDER TO LOWER THE WATERMAIN AT A LATER DATE WHEN A DEWATERING SYSTEM EMPLOYING ELECTRICAL POWER SUPPLIED BY THE POWER COMPANY IS AVAILABLE.

ALSO, WE ABANDONED OPERATIONS ON TILDEN AVENUE AT ANTHONY BOULEVARD TO INSTALL THESE WELLS. THEREFORE, WE PRECLUDE THAT ALL COSTS OF INSTALLING THIS SYSTEM SHOULD BE BORNE BY THE CITY.

THE FOLLOWING IS A BREAKDOWN OF OUR COSTS TO INSTALL AND MAINTAIN OUR ABANDONED DEWATERING OPERATION ON TENNESSEE AND THE ADDITIONAL COST TO REVAMP OUR WATERMAIN RELOCATION SYSTEM.





EQUIPMENT (10 HR DAY)      RENTAL      OPERATING COST

INSLEY 800 W/CLAM	542.00	124.00
966 CAT LOADER	624.00	180.00
125 KW CAT GENERATOR	<u>110.00</u>	<u>927.00</u>
	1276.00	1231.00

TOTAL DAILY RATE: 1276.00  
TOTAL OPERATING COST: 1231.00  
2507.00/DAY X 2 DAYS

927  
110  
1037/DAY X 2  
\$2074  
5,014.00

LABOR (10 HR DAY)

1 FOREMAN	140.00/DAY	140.00
2 OPERATORS	11 HRS @ 13.00	143.00
	11 HRS @ 12.44	136.84
3 LABORERS	33 HRS @ 9.75	321.75
1 MECHANIC	4 HRS @ 12.88	<u>51.52</u>
		793.11

40% INSURANCE & PR TAXES 317.24  
1110.35/DAY X 2 DAYS

2,220.70

ELECTRICAL DROP, OMIT WELL RENTAL 1600.00

1,600.00

SIX (6) INCH VALVES W/RESTRAINED JOINTS

GATE VALVES	4 EA X 189.89	759.56
RESTRAINED JOINTS	4 EA X 17.39	<u>69.56</u>
		829.12

829.12

TOTAL  
15% OVERHEAD & PROFIT

9,663.82  
1,449.58

TOTAL

11,113.40

90  
2074  
829.12  
2903.12  
435.47  
3338.59  
15%  
3338.59



MATERIALS INSPECTION  
& TESTING, INC.

PHONE (219) 432-8564 • 1933 LAKEVIEW DRIVE • FORT WAYNE, IN 46808

CLIENT

Rocco Ferrara Co., Inc.  
P.O. Box 5270  
Hazelwood Station  
1600 Hazelwood Ave.  
Fort Wayne, Indiana 46805

INVOICE

NO. 81 - \$ 1010

PROJECT St. Joe

Interceptor - Phase I

Fort Wayne, Indiana

DATE April 30, 1981

CLIENT NO.

P.O. NO.

TERMS: NET 30 DAYS.

It = 1. 280 linear feet of soil boring and sampling @ \$4.95  
per linear foot .....\$ 1386.00 ✓



1 1/2% Service Charge on all accounts past 30 days. Annual Interest rate 18%.

TITLE OF ORDINANCE CHANGE ORDER #7 for RESOLUTION 310-80, PHASE I, ST. JOE

DEPARTMENT REQUESTING ORDINANCE Board of Public Works INTERCEPTOR  
INTERCONNECT

SYNOPSIS OF ORDINANCE This change order reflects the need for additional soil

borings, the increase in dewatering due to the tremendous amount of ground  
water, the removal of more pavement necessitated by fluid ground conditions,  
and more utility relocations.

*S-82-07-34*

EFFECT OF PASSAGE contractor will be compensated for unanticipated problems

EFFECT OF NON-PASSAGE above project will not be completed.

MONEY INVOLVED (DIRECT COSTS, EXPENDITURE, SAVINGS) Net Increase \$64,061.00

ASSIGNED TO COMMITTEE